

## NOTES ON GEOGRAPHIC DISTRIBUTION

### **Insecta, Ephemeroptera: range extensions and new Alabama state records**

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The mayfly (Ephemeroptera) fauna of Alabama (U.S.A.) has been relatively well documented in terms of eastern North American regions, primarily because of the contributions of Berner (1977), Kondratieff and Harris (1986), and Harris et al. (1996). Previously, 116 valid nominal species were reported from Alabama. That number takes into account recent significant synonymies that reduce the number of Alabama species in the genera *Drunella* Needham (Jacobus and McCafferty 2003), *Epeorus* Eaton (Webb and McCafferty 2006), and *Ephemerella* Walsh (Jacobus and McCafferty 2003). Herein we augment the recorded fauna with eleven additional species taken from eight counties representative of the four northern physiographic provinces in the state (see Kondratieff and Harris 1986), including the Highland Rim Plateau, the Cumberland Plateau, the Valley and Ridge, and the Piedmont Plateau. In all instances the new records represent either southern (primarily) or western range extensions. All materials upon which this report is based are currently found at the Department of Entomology, Purdue University. Records below are given in alphabetical order by family, genus and species. Records refer to larvae, unless otherwise indicated to be based on adults.

### **Baetidae**

*Baetis brunnneicolor* McDunnough. Site 1: Blount County, Blount Springs, 13-VI-1973, B. Stark.

*Baetis pluto* McDunnough. Site 2: Lee County, Chewacla Creek, at county road 010, 6-V-1992, C. Lugo-Ortiz, S. Yanoviak.

*Plauditus virilis* (McDunnough). Site 3: Randolph County, Little Pallapoosa River, north of

Wedowee, 14-VI-1973, B. Stark; Site 4: Franklin County, Little Bear Creek, at county road 23, 34°30'08" N 88°02'41" W, 19-III-2004, J Webb.

### **Ephemerellidae**

*Dannella provonshai* (McCafferty). Site 4 (see above).

*Ephemerella excrucians* Walsh. Site 4 (see above).

*Ephemerella septentrionalis* McDunnough. Site 4 (see above).

*Eurylophella macdunnoughi* Funk. Site 4 (see above).

### **Isonychiidae**

*Isonychia serrata* Traver. Site 5: Cleburne County, South of Chulafinnee, Highway 431, 14-VI-1973, B. Stark (adults); Site 6: Shelby County, Northwest of Harpersville, Highway 280, 14-VI-1973, B. Stark (adults).

*Isonychia sicca* (Walsh): Site 4 (see above).

*Isonychia tusculanensis* Berner. Site 7: Morgan County, tributary of Flint Creek, south of Hartsville, 13-VI-1973, B. Stark.

### **Siphonuridae**

*Siphonurus minnoi* Provonsha and McCafferty. Site 8: Lawrence County, Lee Creek, 20-IV-1994, MGH, CGH (adults).

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